

7 1994

HECHIVEL

JUL 2 5 1994

GROUP 2100 ATTY. DOCKET NO. TESSERA 3.3-018 08/030,194 APPLICANT LIST OF PRIOR ART CITED BY APPLICANT Khandros et al (Use several sheets if necessary) FILING DATE April 28, 1993 2104 U.S. PATENT DOCUMENTS EXAMINER INITIAL ---DATE HAME FILING DATE SW OCLASS 9/87 Patraw AD AE AF AG AM AI AJ AK FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS AL AM AM AO 42 OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) AR AS AT EXAMINER DATE CONSIDERED 10-2-75

EXAMINER: Initial if reference considered, whether or not citation is in confe

in conformance and not considered. Include copy of this form with next communication to applicant,

nce with MPEP 409; Draw line through citation if not



FORM PTO-1449 ATTY. DOCKET NO. U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE PCT/US91/06920 TESSERA 3.3-018 APPLICANT LIST OF PRIOR ART CITED BY APPLICANT Khandros, et al. (Use several sheets if necessary) FILING DATE September 24, 1991 U.S. PATENT DOCUMENTS ENAMINER INITIAL FILING ONTE HAME SU OCLASS DATE CLASS DOCUMENT MUNDER 4.5 AC AD AE AF AG AH AI AJ FOREIGN PATENT DOCUMENTS TRANSLATION / ---DATE . COUNTRY CLASS SUSCLASS TES 40 10/19/89 AU 8 9 PCT 08/22/91 чСТ AVOTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) DATE CONSIDERED EXAMINER S. Clari 'EXAMINER: initial if reference considered, whether or not cirction is in conformance with PPEP 607; Drow line thro in conference and not considered. Include copy of this form with next communication to explicant.



RECEIVED

AUG 0 3 1993

TRAO	EMART	J									GROUP 2100		Sheet	<u>1</u>	2
70 PTD							U.	J. 0	EPARTMEN T AND TR	NT OF COMMERCE	TESSERA 3.3-018 PCT/US91/06920)
, Li									B Y APPL		Khandros, et al. Filing DATE September 24, 1991				
					_	_	_			U.S. PATENT	DOCUMENTS				
EXAMINER MITIAL		œ	<u>۔۔</u>	M	7 #		• 61	•	BATE		MAME	CLASS	SUBCLASS	PILING IF APPRO	O DATE
SVL	,	4	7	7	2	9	3	6	09/20/8	8 Reding e	t al. عرصور		*		
544	AB	4	1	8	9	8	2/	5	02/26/8	0/ Robillar	d et al				الل.
. • ./ 	AC					1			J.		,	J.	p ^a T		· Secretary
7	AD			ŀ					ņ					September 1	
	AE				brack	I	I								
	AF												T		
	AG		\prod												
	АН			\rfloor	\rfloor	\rfloor	\prod								
	Al														
	ĄJ		\prod	I	I	I	I			÷.					
	AK		П	T	T	T	T	T							
		_	_	_	_	_	_			POREIGN PATE	NT DOCUMENTS				
		00	CUM	En'	7 =	UW(864	•	DATE	cou	NTRY	CLASS	SUBCLASS	TRANSL.	HO
SUL	AL	. 4	1	3	4	5	1	7	/25/90	Europat			1 —		
SYL	AM	0	8	0	0	4	1	9	/22/82	Europat		4:		-	
áVí.	AH	0	7	2	6	7	3	8	/12/82	Europat (A	.2)				
Sul	AO	0	7	4	6	7	3	8	/12/82	Europat (A	.3)	1	1		
SV	AP	2	4	7	5	8	3	9 1	2/7/81	France					
		_	_		_	01	×	RP	RIOR ART	(Including Author	, Title, Date, Pertmer	u Pages, Etc.)			
SVL	AR		F	BM or	T	ecl es	hn:	ica and	l Disc] Burn-l	losure Bullet In of C4 Devi	in entitled "November	on-Permane 1990, Vol	nt Mounti	ng Tecl	hniqu
NC	AS									losure Bullet	in, entitled "	Extended P	ad For Te	sting	Packa
<u>U - </u>		\vdash									in entitled "T	est And Re	pair of D	irect	Chip
20	AT			<u>ii</u>	<u>به</u>	<u>l. </u>	<u>ئن،</u>	<u>iui</u>	es". Ai	ugust 1988. V	<u> </u>			- 	
EXAMINE	R				1.	_			- 		DATE CONSIDERED	10 - V	_		
		_	٦ .		١.		.								



	1	1
	1	1
*****	_	

									1	A STATE OF THE STA			Sheet		
PORM PTO	1447						•	4.7	DEPARTME	NT OF COMMERCE ADEMARK OFFICE	TESSERA 3.3-018		08/030,1		
	ומ דצו	: P1	210) Z	AE	T	در ا	ΓE	D BY APPL	JCANT	APPLICANT	200 1777 4	T		
- ·									il necesary		FILING DATE	ROS ET A	GROUP		
											April 28, 199	3	2104		
										U.S. PATENT	DOCUMENTS				
*EXAMINER	1	00	<u>a</u>	we	IT.			DA.	DATE		MAME	CLASS	SUBCLASS	IF APPR	O DATE
SVL	1	4	6	5	5	5	2	4	4100/87	ETZEL		1-			
/	AB			Γ					, ,	pa ^{ge}	<i>x</i>		I Siye!	7	
1	AC				2				pd and			Å:	\$4 E3 1995		
1	AD		Γ	Γ	Γ		Γ	Π				C 2.	3 Jan	:0	
	AE		Γ												-
	AF				Г	T		Γ							
	AG						Γ						MECE	VED	
	AH		T									·	MAR 0 8	1995	
	Al					Γ						(ROUP	210	(j
	AJ		Ī							•					
	AK					T									
	<u> </u>			1	Щ.	<u></u>	_			POREIGN PATE	NT DOCUMENTS				
		900	CU	4 E 1	17	N U	¥81	EM.	DATE	cou	HTRY	CLASS	SUSCLASS	TRANSL	ATION
	AL	_													
	AM				Γ										
	AM			1			T	T							
	AO		T	T			T	T	,						
	AP			 			T	T							
	<u>. </u>	1	1		_	٠-	TH	ER	PRIOR AR	T (including Author	, Title, Dote, Penment F	ages, Elc.)		
	ì	T -	Γ		-										
	AR	-	╁					_				· · · · · · · · · · · · · · · · · · ·			
		<u> </u>	L												
	AS														
														 -	
	AT	Γ	T										7		
EXAMINE	ER				e i		ال		<i>j</i>		DATE CONSIDERED	10- 2	- 140		
<u> </u>			Ć	, (VΙ	رار	(1					10 1	1.12		

Sheet	5	of	5



Applicant: Khandros et al
Filing Date: April 28, 1993

Group: 2503

IST OF PRIOR ART CITED BY APPLICANT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER:	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
SIL	5,053,922**	10/01/91	Matta et al	~		08/31/89
WV	5,086,337**	2/00/92	Noro et al		_	
SW	5,117,275**	5 /00/92	Bregman	_	_	10/24/90
CVU/	5,123,850**	6/23/92	Elder et al			04/06/90
<1U	5,289,34,6**	2/00/94	Carey et al	ئير ا		02/26/91
514	5,350,947**	09/27/94	Takekawa et al	1	_/	10/28/92
SAU	5,379,191**	01/03/95	Carey et al	1	Z	02/26/91
Y						1
-						ماند. ا
·						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS- LATION
					:	

OTHER PRIOR ART (including Author, Titles Date, Pertinent Pages, Etc.)

		/	
		/	
			/
		/	
	The Royal of the London	/	
F:\SS\DOCS\9.0\117	24.DOC	•	

EXAMINER: 5. Clark

DATE CONSIDERED:



Attorney Docke	t No	TE	SSERA	3.3-018
Applicant:	Kha	ndros	et al	
Filing Date:	Apr	il 28,	1993	
Group:	250			

LIST OF PRIOR ART CITED BY APPLICANT

		U.S. P.	ATENT DOCUMENT	rs /	/	
EXAMINER INITIAL	DOCUMENT NUMBER:	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
CVU	3,302,067	1/00/67	Jackson et al)	1
31/	3,390,308	3/00/66	Marley		j	
SVU	3,426,252	2/00/69	Lepselter			7
i	3,474,297	10/00/69	Bylander			
	3,487,541	1/00/70	Boswell			
	3,614,832	11/00/71	Chance et al)	
	3,680,037	7/00/72	Nellis et al			
	3,680,206	8/00/72	Roberts)	7
	3,683,105	8/00/72	Shamash et al		`~	.ge*
7	3,772,575	11/00/73	Hegarty et al		7	
7	3,795,037	3/00/74	Luttmer)	
//	3,832,769	9/00/74	Olyphant, Jr. et al		>	
	3,862,790	1/00/75	Davies et al	,	_	
	3,864,728	2/00/75	Peltz et al		(
811	3,868,724	2/00/75	Perrino		~	1

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS- LATION
SVL	WO 89/12911	12/00/89	Marie 11 pt. Marie 12 pt. Marie			
501	072673	8/00/82	Europat			
SVC	080041	9/00/82	Europat			
	245179	,	Europat			
516	413451	7/00/90	Europat /			
SVU	1003396	3/00/83	Soviet			

OTHER PRIOR ART (including Author, Titles Date, Pertinent Pages, Etc.)

SUC	IBM Technical Disclosure Bulletin, Jan. 1985, Vol. 27, No. 8, Pg. 4855
SVL	IBM Technical Disclosure Bulletin, "Non-Permanent Mounting Technique for Test and Burn-In of C4 Devices", Nov. 1990, Vol. 33, No. 7
SVC	IBM Technical Disclosure Bulletin, "Extended Pad for Testing Package Parts", Dec. 1984, Vol. 27, No. 7B pp., 4210-4211
500	IBM Technical Disclosure Bulletin, "Test and Repair of Direct Chip Attach Modules", Aug. 1988, Vol 31, No. 3

examiner: Staw .	DATE CONSIDERED: 10-2-95	
------------------	--------------------------	--

MA	IL KO,	-			
/ ~	JUN	` \			
(28	Attorney Doc	ket No	TESSERA	3.3-018
图	1995	6 Applicant:	Khar	ndros et al	
1.6	RADEMAR	Filing Date:_	Apri	128, 1993	
		Group:	2503		

LIST OF PRIOR ART CITED BY APPLICANT

TIC	PATENT	DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER:	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
CV L	3,925,404**	04/27/76	Matunami)	
1	4,179,802	12/00/79	Joshi et al)	
Call	4,189,825	2/26/80	Robillard et al)	
- 3V-	4,237,607	12/00/80	Ohno		}	
	4,356,374	10/00/82	Noyori et al		}	
	4,410,905	10/18/83	Grabbe		/	
	4,545,610	10/00/85	Lakritz et al		/	
	4,574,470	3/00/86	Burt	<u>_</u>	\	
	4,597,617	7/1/86	Enochs		~/	
	4,604,644	8/00/86	Beckham et al		4	
	4,627,151	12/00/86	Mulholland et al	/	/_	
	4,628,406	12/00/86	Smith et al			
5/1/	4,655,524**	4/00/87	Etzel			
CVI	4,670,770	6/00/87	Tai		~	
1	4,681,654	7/00/87	Clementi et al	_	<u> </u>	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS- LATION
(VV)	2495839	12/00/81	France		/	
V V	8910005	10/00/89	WIPO .		~	
	9112706	8/00/91	WIPO			
SVV	1-155633	6/19/89	Japan		\	
						

OTHER PRIOR ART (including Author, Titles Date, Pertinent Pages, Etc.)

SVV	Microelectronics Packaging Handbook, 1989, pp. 420-423, 1132, Rao R. Tummala and Eugen J. Rymaszewski					
		\				
	1					
	·					

examiner: SCLW	DATE CONSIDERED: 10-25
----------------	------------------------

W	JUN	Attorney Doc	ket No	TESSERA	3.3-018	Sheet 3 of 5
PATE	28 1995 RADEMAR	Applicant: Filing Date: Group:	Khar	1 28, 1993		

LIST OF PRIOR ART CITED BY APPLICANT

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER:	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
SVL	4,685,998	8/00/87	Quinn et al		~	
875	4,695,870**	9/22/87	Patraw		_	
2/~	4,709,468	12/00/87	Wilson)	
	4,710,798	12/00/87	Marcantonio			
	4,721,993	1/00/88	Walter		,	
	4,751,199	6/00/88	Phy			
	4,751,482	6/00/88	Fukuta et al		_	
	4,764,804**	8/00/88	Sahara et al			
	4,772,936	9/00/88	Reding et al	-		
17	4,783,719**	11/08/88	Jamison et al	/	<i>i</i> .	
	4,793,814	12/00/88	Zifcak et af		/_	
	4,796,078	2/00/89	Phelps, fr. et al		~	
SIL	4,811,082	3/00/89	Jacobs et al		~	
510	4,814,295	3/00/89	Mehta		\	
SVV	4,818,728**	4/00/89	Rai et al			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS- LATION
		,				

OTHER PRIOR ART (including Author, Titles Date, Pertinent Pages, Etc.)

 	,
,	
,	

EXAMINER: 5 Clint

DATE CONSIDERED: _ たっとうら、

Sheet 4 of 5

1	LROP	1
(Bi	JUN 28 1995	84
14	PADEMA	Ret 1

Attorney Docket No. TESSERA 3.3-018
Applicant: Khandros et al
Filing Date: April 28, 1993

Group: 2503

LIST OF PRIOR ART CITED BY APPLICANT

U.S. PATENT DOCUMENTS

EXAMINERINI TIAL	DOCUMENT NUMBER:	DATE	NAME	CLASS	SUB- CLAS S	FILING DATE
(10)	4,855,867	8/00/89	Gazdik et al			
710	4,874,721	10/00/89	Kimura et al		_	
310	4,878,098	10/00/89	Saito et al			
	4,884,122	11/00/89	Eichelberger et al)	
	4,893,172**	1/00/90	Matsumoto et al			
	4,918,811	4/24/90	Eichelberger et al		_	
	4,924,353	5/08/90	Patraw		_	
	4,926,241	3/00/89	Carey	·		
	4,937,203**	6/00/90	Eichelberger et al		_	
	4,941,033	7/00/90	Kishida	الي.		
	4,942,140**	7/00/90*	Ootsuki et al		_/	
W.	4,954,878	9/00/90	Fox et al			
576	4,967,261	10/00/90	Niki et al	-		
310	4,989,069	1/00/91	Hawkins			
SVL	5,029,325**	7/02/91	Higgins III et al		\ \ \	8/31/90

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS- LATION

OTHER PRIOR ART (including Author, Titles Date, Pertinent Pages, Etc.)

	/	
L		

CAMINER: 5 (Larl Date considered: 10/2-9